DoubleSight DISPLAYS

www.doublesight.com

(877) TWO - LCDS

Part No. 90-X-DS309W-EUEX0
Made in Korea

DoubleSight DISPLAYS

USER'S MANUAL

DoubleSight™ DS-309W LCD MONITOR

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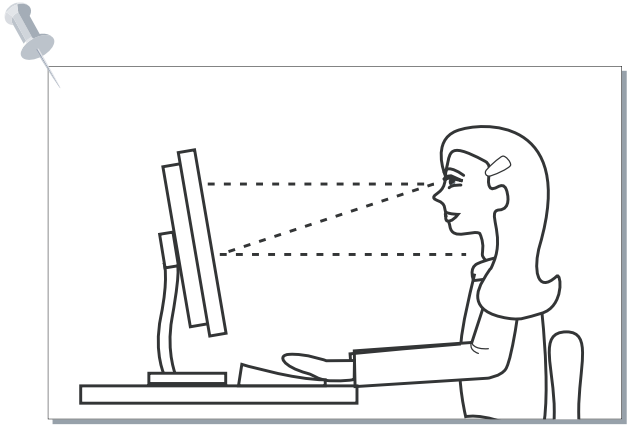
DoubleSight Displays, LLC
Tel: 1-877-TWO-LCDS (1-877-896-5237) U.S.A. only
E-mail: info@doublesight.com

Placement

Placement

Correct placement and adjustment of the monitor can reduce eye, shoulder, and neck fatigue. Check the following when you position the monitor.

Keep the top of the monitor screen slightly below eye level. Your eyes should look slightly downward when viewing the middle of the screen.



Position your monitor no closer than 16 inches no further away than 30 inches from your eyes. The optimal distance is 25 inches.

The contents of this section are intended to protect the user from danger and prevent physical accidents. Please read through the contents for proper use.

Safet recautions

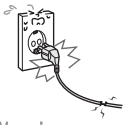
Ignoring the safety precautions may lead to accidents causing injury or fatality and structural damage.

Cautions are categorized into two types, "Warning" and "Caution" depending on their level of importance.

Warning : May lead to accidents causing serious human injury

Caution : May lead to minor accidents and damage

Do not use a damaged power cord or plug, or connect to a loose power outlet. Doing so may cause electric shock or fire.

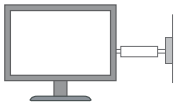


Warning

Do not pull the power cord when unplugging the power, and do not touch the power plug with wet hands. Doing so may cause electric shock or fire.

Warning

Connect the power plug to grounded power outlets only. Failure to do so may cause electric shock or injury.



Warning

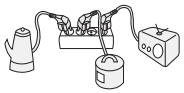
Insert the power plug securely into the outlet.
Insecure and unstable electrical contact may lead to fire.

Warning

Do not bend the power cord excessively or allow the cord to be compressed under a heavy object. Doing so may cause electric shock or fire.

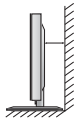
Warning

Do not connect more than one plug to a single wall outlet. Doing so may lead to fire.



Warning

Provide sufficient space between the monitor and the wall for ventilation (cooling).
Overheating may lead to fire.



Warning

Make sure that the ventilation holes are not covered by fabrics, curtains, other clothes like material, etc.

Warning

Place the monitor on a firm flat surface and be careful when handling the monitor.

Mishandling the product may cause short circuits and damage the product or cause injury.

Warning

Do not place candles, lighted cigarettes, or other heat-radiating objects on the monitor or near the monitor.

Doing so may lead to fire.

Warning

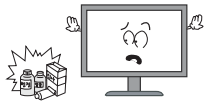
Disconnect the power when cleaning the product.

Failure to do so may cause electric shock or fire.

Warning

Do not use flammable sprays or substances near the product.

Doing so may lead to explosion or fire.



Warning

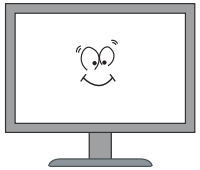
Do not place the product in a place where the ventilation is poor (eg. inside a cabinet).

Doing so may lead to fire.

Warning

Set the PC to match the resolution and frequency of the monitor.

30"Type - 2560 x 1600 @60Hz



Caution

Set the PC to activate power save mode (DPMS) when the monitor is not used for a while. Set the screen saver function and select a type that maintains motion in the whole screen.

Do not insert metallic objects into the ventilation holes. They may cause electric shock or fire.

Do not allow children to climb onto the product or hang on it. The product may fall over and cause serious injury.

Do not attempt to dismantle, repair, or modify the product yourself. This may cause fire or electrical fail ures.

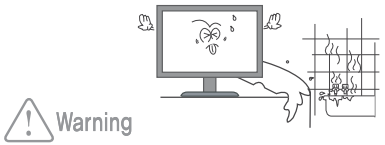
Unplug the monitor when not using for a long period of time.
Dust build-up on the product (near the vents) may cause overheating and lead to fire. Use a dry soft cloth for cleaning purposes.

Carefully unplug the monitor if you see any signs of smoke or smell odor of burning.
Contact the manufacturer for further information.

Use a soft dry cloth to clean the monitor, and unplug it before cleaning.

Do not use any chemical solutions on the monitor for cleaning purposes. Do not use a wet cloth on the monitor.

Do not spray water directly onto the product.
It may cause electrical faults or fire.



Do not install the monitor where water (rain) drops can enter the enclosure, or where there is oil or humidity.

It may cause electrical faults, fire, or lead to damage to the monitor.

Clean any dirt, dust or water from the power plug contacts.

They may cause electrical faults or fire.

Available Temperature & Humidity

No	Test Item	Condition
1	High temperature storage test	Ta= 60℃ 240h
2	Low temperature storage test	Ta= -20℃ 240h
3	High temperature operation test	Ta= 40℃ 50%RH 240h
4	Low temperature operation test	Ta= 0℃ 240h
5	Vibration test (non-operating)	Wave form : random Vibration level : 1.0G RMS Bandwidth : 10-300Hz Duration : X,Y,Z, 10 min One time each direction
6	Shock test (non-operating)	Shock level : 100Grms Waveform : half sine wave, 2ms Direction : ±X, ±Y, ±Z One time each direction
7	Altitude Operating Storage / Shipment	 0 - 10,000 feet(3,048m) 0 - 40,000 feet(12,192m)

For dot defect [dead pixel] of LCD

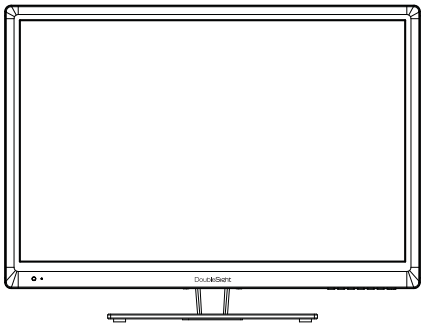
TFT-LCD produced by using high-end semiconductor technology with precision of 99.9% above is used for this monitor.
However the pixels of R.G.B. & White color seem to be right sometimes or some of black pixels could be seen on the LCD. This is not from bad quality or functional problem and you can use it without any problem.

Supported resolution mode table

No	Resolution	No	Resolution
1	2560 X 1600 @ 60Hz (WQHD)	6	1280 X 1024 @ 60Hz~75Hz (XGA)
2	1920 X 1200 @ 60Hz (WUXGA)	7	1024 X 768 @ 60Hz~75Hz (SVGA)
3	1920 X 1080 @ 60Hz (WXGA+)	8	800 X 600 @ 60Hz~75Hz (VGA)
4	1600 X 900 @ 60Hz (WXGA)	9	640 X 480 @ 60Hz~75Hz (VGA)
5	1360 X 768 @ 60Hz~75Hz (SXGA)		

Packing Contents

Please make sure the following items are included with your monitor.
If any items are missing, contact your dealer.



LCD Monitor

Power Cord

VGA Cable

Dual Link DVI Cable

AC Adaptor

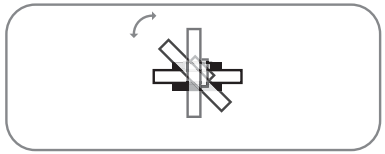
Audio Cable

CD

Base Function

Swivel

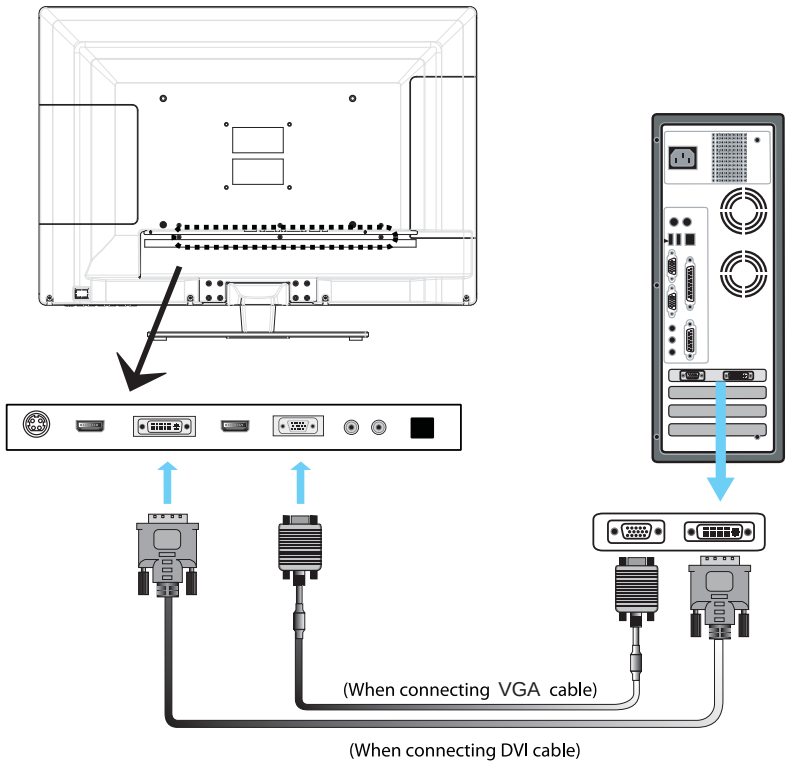
Left or Right adjustments offer the added convenience to customize work space.fixed support.



How to use

1. Hold Monitor securely on the left and right sides
2. Move Monitor left or right according to user preference

Computer Connection



- If only one connections is required a DVI connection is recommended if available

Troubleshooting

If you encounter a problem with your monitor please review these troubleshooting tips.
If the problem persists please contact your monitor dealer or DoubleSight customer service for additional assistance.

No image on the monitor

- Check whether the DVI cable is firmly connected to the PC and the monitor.
- Check whether a graphic card is correctly inserted into the slot.
- Check whether the power of the PC and the monitor is on.
- Check whether a graphic card or mode is set appropriately on the PC.
- Check whether DVI cable pins are not inserted or bent.

No Power

- Check whether the power cord is correctly inserted and reconnect if necessary.
- Pull out the power cord from wall outlet and reconnect in 1 ~ 2 minutes.

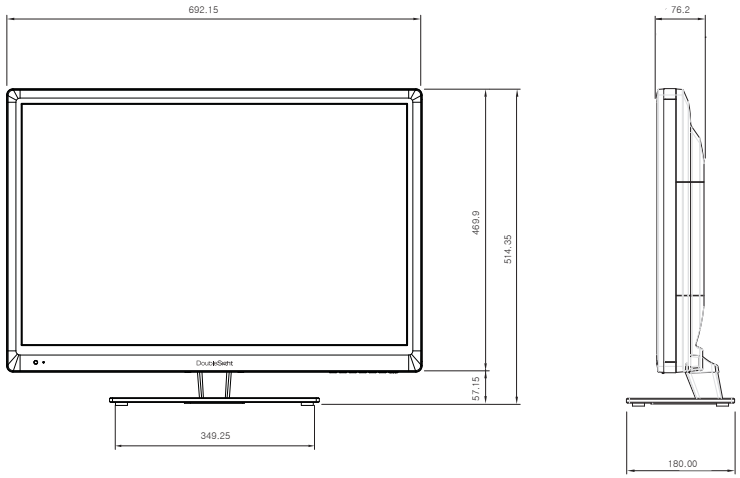
LED lamp is on and off. It shows no image.

- Check whether DVI cable is connected to the monitor and the PC.
- Check whether the PC is in power saving made and attempt to operate keyboard and mouse.

Unstable or unfocused image or trembling

- Check whether DVI cable is connected to the monitor and the PC.
- If the PC's display mode is changed, the screen needs readjusting. So check the display mode.

Dimensions (mm)



Product Weight: approximately 22.5lbs

Specifications

Dimensions, apparent design and specifications are subject to change without any prior notice for the performance improvement.

Product Name	30" Wide TFT-LCD Monitor	
LCD Panel	Panel Type Screen Size Visible Screen Area Resolution Pixel Pitch Color Depth Contrast Ratio Brightness Viewing Angle Response Time	TFT 29.55" (75.05cm) Diagonal 614.28mm(H) x 400.8mm(V) 2,560(H) X 1,600(V) 0.2331mm x 0.2331mm 1.07 Billion Colors, 10 bit with A-FRC 1000 : 1 370 cd / m^2 Horizontal 178°, Vertical 178° 6ms (GTG)
Power Consumption	In-Operation DPMS /OFF	< 120W > 1.2W
Energy Saving Mode		VESA DPMS
Power	Adaptor Input Adaptor Output	AC 100V~240V, 50~60Hz DC 24V / 5.0A
Video Interface		Dual Link DVI, D-SUB, DP, Audio In, Audio Out, HDMI
Accessories		Dual link DVI cable, VGA Cable, AC Adapter, Power Cord

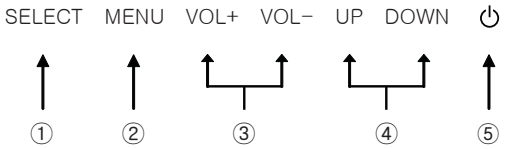
Connecting to PC

To connect the monitor to the PC, please follow these instructions:

1. Connect DVI cable to the PC. Tighten all the screws.
2. Connect DVI cable to the DVI connector on the back of the monitor. Tighten all the screws.
3. Connect one end of the power cord to the AC adaptor and the other end to the AC power outlet.
4. Connect DC adaptor cable to the power input connector on the back of the monitor.
5. Turn On the monitor and PC.
6. Adjusting display resolution of PC
   - Resolution : 2,560 X 1,600
   - Refresh Rate : 60 Hz

OSD Control

This monitor does support OSD Menu control function.



① : Input Source Select / OSD Sub Menu Select
② : OSD Menu On / Off
③ : Volume Up & Down / OSD Menu Left & Right
④ : OSD Menu Up & Down / Channel Up & Down
⑤ : Power On / Off

Hot key is a handy key to execute frequently used functions.

③ VOL+, VOL− : Controls the speaker volume
④ DOWN : Switches Aspect Ratios(16:10 4:3)
④ UP : In VGA mode, Automaticaly adjust optimal settings of monitor

unctions escri tion

OSD Menus

Image Setting.
- Adjust screen's Brightness, Sharpness and Color Temperature.

Display Setting.
- Adjust Aspect ratio, PIP mode/position/source, Transparency.

Audio Setting.
- Adjust Mute, Volume and Output.

PC.
- Adjust Display position automatically or manually.

Setup.
- Adjust Language, OSD Menu time, OSD position and OSD transparency, and Factory Reset.

unctions escri tion

Image Settings

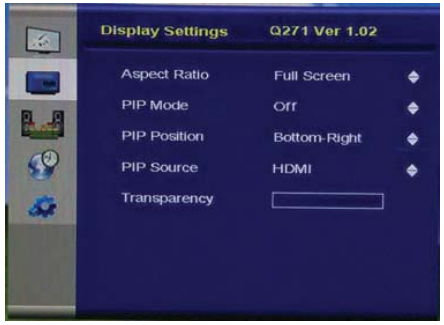
Brightness
- Adjust the rightness, Press VOL , VOL- uttons to adjust the le el o these settings.

Contrast
- Adjust the image contrast, Press VOL , VOL- uttons to adjust the le el o these settings.

Sharpness
- Adjust the image sharpness, Press VOL , VOL- uttons to adjust the le el o these settings.

Color Temp.
- Adjust the color temperature y choosing the color temperature presets , , , press DO , P uttons to adjust colors.
Customi e color temperature y choosing the ser option.

Display Settings



Aspect Ratio
- Choose et een the aspect ratios or .

PIP Mode(Picture in Picture)
- Adjusts the screen si e o the PIP indo .

PIP Position
- Adjust the position o the PIP indo .

PIP Source
- Select the input source o the PIP indo .

Transparency
- Adjust the le el o PIP indo 's transparency .

Note:
Operating PIP mode under DVI and DMI connection at the same time is not a aila le.

. Main display as DVI and PIP display as DMI connection or ice ersa is not a aila le.
Any other com ination o connection than a o e are a aila le. . DVI and V A

unctions escri tion

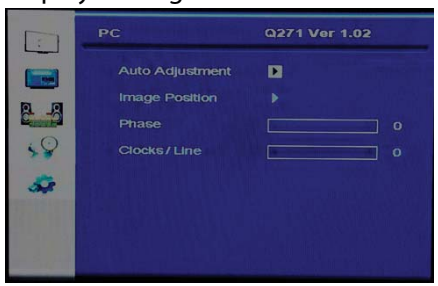
Audio Setting

Mute
- Mute spea er on / o

Volume
- Adjust the sound olume o the spea er

Output
- Adjust the output o headphones and spea er

Display Settings



Auto Adjustment
- Automaticaly adjust optimal settings o monitor

Image Position
- Adjust the position o the display hori ontaly and erticaly.

Setup

Factory Reset
- Reset all user settings to actory preset

Language
- Select a language or OSD menu

OSD Timer
- Control display time on OSD indo

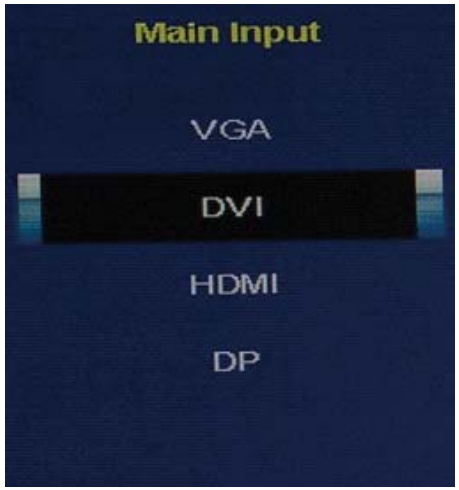
OSD Position
- Adjust position o the OSD indo on display

Transparency
- Adjust the le el o OSD indo 's transparency

How to adjust monitors

unctions escri tion

Source Selection



Source
- Scroll p and Do n to select the source and press VOL to select

Limited Warranty

INTRODUCTION

This Warranty covers DoubleSight Displays's ("DSD") DS- Series DoubleSight " LCD Monitors ("Product") sold by DSD or DSD's authorized resellers. DSD provides a limited warranty for the originally purchased Products for use, not resale ("Original Purchase"), located in the United States No DSD authorized reseller may claim any right or interest under this limited warranty.

Notice

DoubleSight Displays now includes a 3 year standard warranty for DS- Series model only from Original Date of Purchase.
Thank you for your support!

DoubleSight Displays

LIMITED WARRANTY

DSD warrants this Product to be free from defects in material and workmanship for a period of three (3)years from the date of Original Purchase. Spare parts are warranted for ninety (90) days. Subject to the conditions set forth below, if a Product proves to be defective in material or workmanship during the warranty period, DSD will, at its sole option, repair or replace the Product with a similar Product. Replacement Product or parts may include remanufactured or refurbished parts or components and will meet the specifications of the original parts or unit.

This warranty is extended by DSD only to the original purchaser ("you") of the Product and is not transferable. During the warranty period, DSD shall provide you with limited telephone technical support providing assistance to you solely for the purpose of defining any problem. Repair or replacement of the Product is limited to the United States.

CUSTOMER RESPONSIBILITIES

As the original purchaser you have thirty (30) days in which to review the contents of the Product's packaging for any missing or broken items. After the first thirty (30) days of ownership, beginning from the date of Original Purchase, a charge will be incurred for replacement of any item you, the original purchaser, may wish to order from DSD. Such charges will include handling and shipping costs incurred for delivery of any such items.

WARRANTY EXCLUSIONS

This warranty does not cover:

1. Any Product on which the serial number has been defaced, modified or removed.
2. Damage, deterioration or malfunction resulting from:
   A. Accident, disaster, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions and environment specifications supplied with the Product.
   B. Repair or attempted repair by anyone not authorized by DSD.
   C. Customer supplied interfacing.
   D. Improper site preparation and maintenance.
   E. Damage to or loss of any programs, data or removable storage media.
   F. Software or data loss occurring during repair or replacement.
   G. Any damage of the Product due to shipment.
   H. Removal or installation of the Product.
   I. Causes external damage to the Product, such as electric power fluctuations or failure.
   J. Use of supplies or parts not meeting DSD's specifications.
   K. Normal wear and tear.
   L. Subjecting the Product to displaying of fixed images for a long periods of time resulting in image persistence (afterimage effects) or image burn-in.
   M. Any other cause which does not relate to a product defect.
3. Removal, installation, and set-up service charges.

HOW TO OBTAIN WARRANTY SERVIC E

1. For information on warranty service, call DSD customer service toll-free in the U.S.A. by calling 1-888-897-8869 , or email DSD at support@doublesight.com.
2. To obtain warranty service, you will be required to provide
   A. The original dated sales slip.
   B. Your name.
   C. Your address.
   D. The serial number of the product.
   E. A description of the problem.
3. Bring or ship the Product prepaid and insured in the original container, with the associated accessories, to the DSD depot repair site. All Products returned to the DSD depot repair site for service MUST have prior approval which may be obtained by calling the telephone number above.

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This Product is warranted in accordance with the terms of this limited warranty. You are cautioned that Product performance is affected by system configuration, software, the application, customer data, and operator control of the system, among other factors. While DSD Products are considered to be compatible with many systems, specific functional implementation by the original purchaser of the Product may vary. Therefore, suitability of a Product for a specific purpose or application must be determined by the original purchaser and is not warranted by DSD.

Regulatory Information

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC WARNING

To assure continued FCC compliance, the user must use a ground power supply cord and the provided shielded video interface cable with bonded ferrite cores. If a BNC cable is going to be used, use only a shielded BNC (5) cable. Any unauthorized changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

User Information

Users may find the following booklet, prepared by the Federal Communications Commission, helpful: "How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402